

Crop Protection Stewardship Initiatives

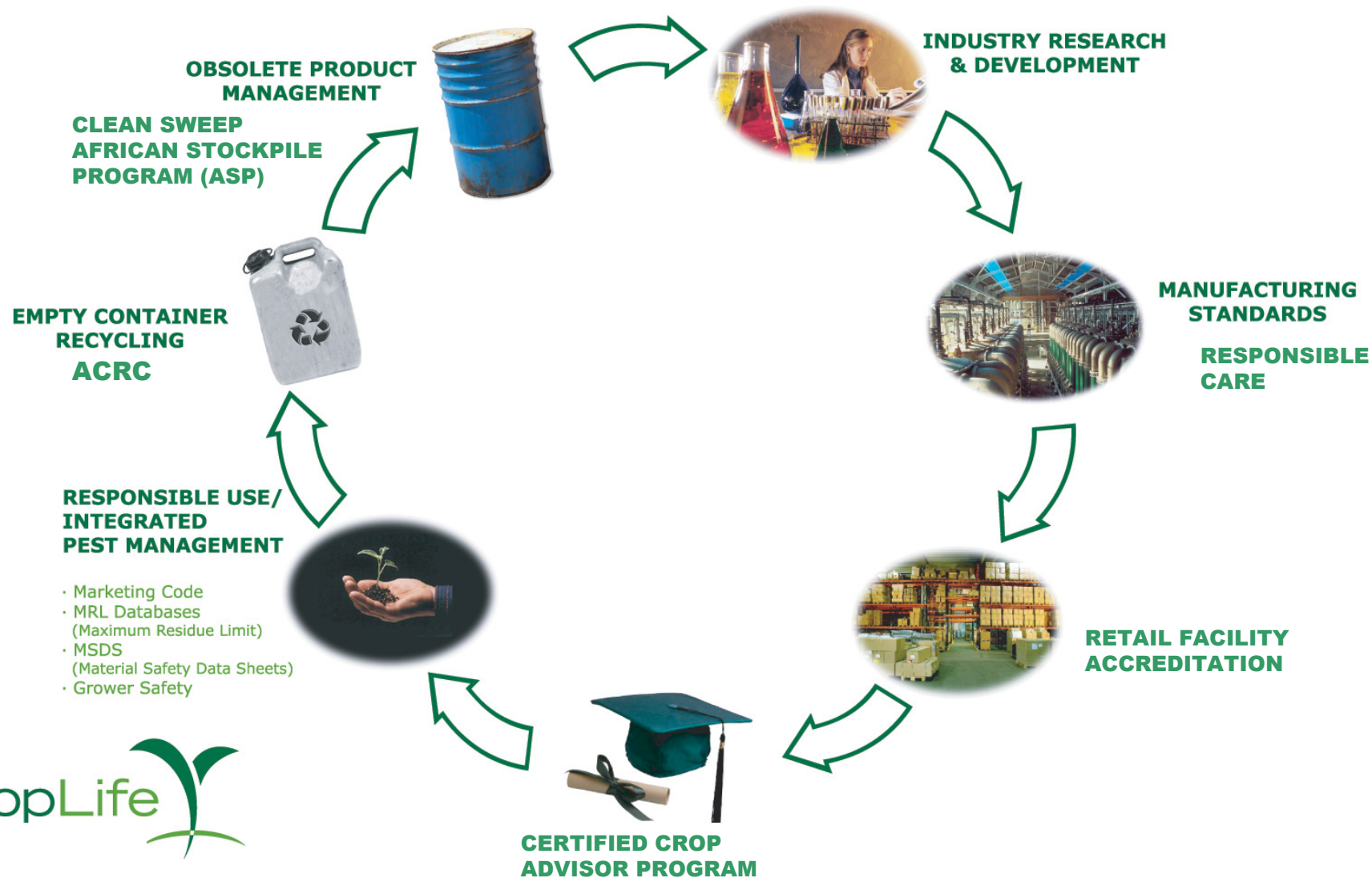
Pesticide Program Dialogue
Committee



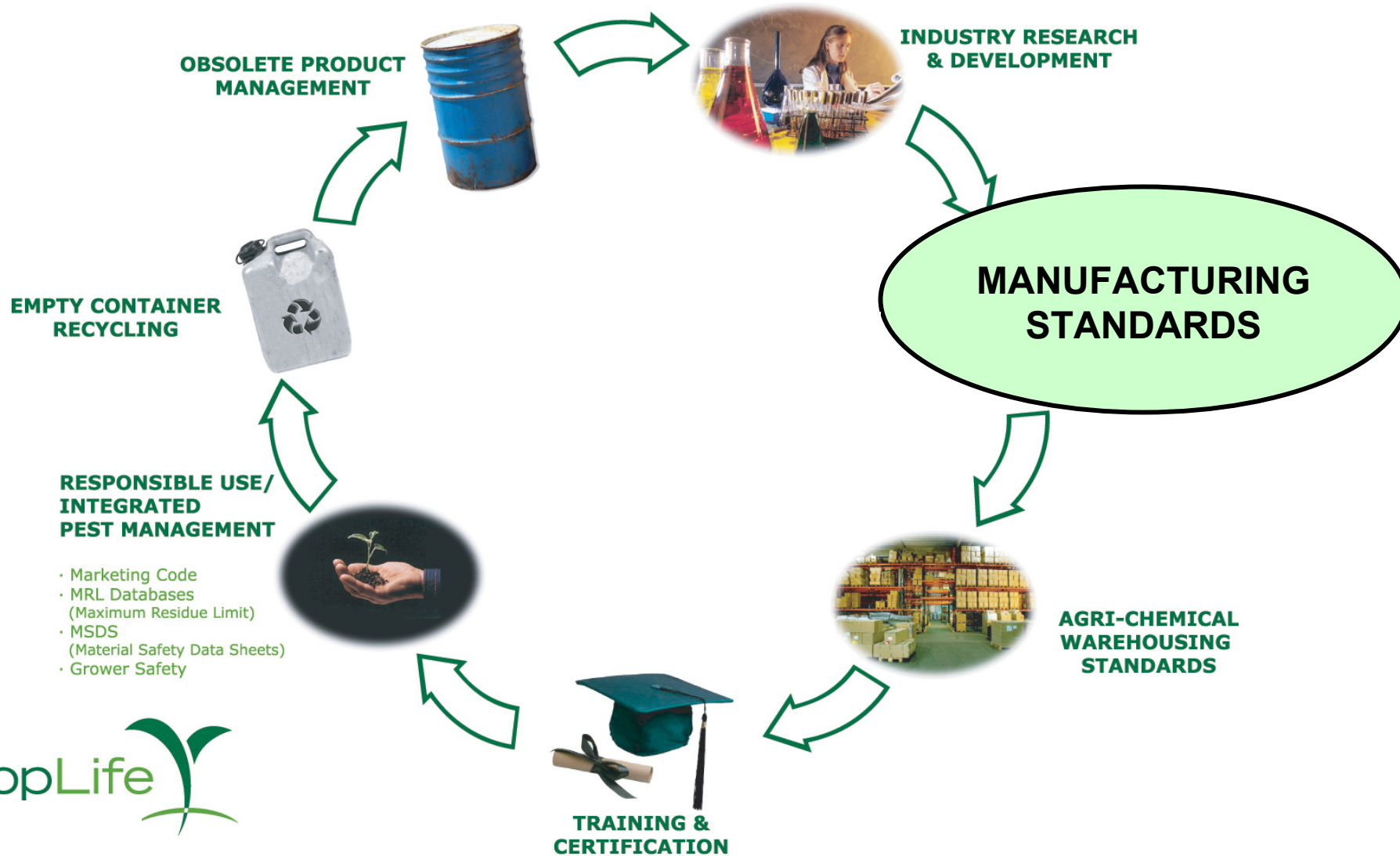
Today's Objective

- Discuss some of the programs that are in place today and on the drawing board to steward crop protection products from manufacture to container disposal

Crop Protection Stewardship



Crop Protection Stewardship



2003 Responsible Care® Global Strategic Review

- Responsible Care® currently implemented in 47 countries
 - Content varies
 - Potential opportunity for harmonization
- In 2002, Global CEO review recommended Strategic Review
- Purpose:
 - Define core elements of Responsible Care®
 - Allow appropriate regional and national flexibility

Responsible Care®: Summary of Changes

Current Responsible Care®

- Codes of Management Practices
- Management Systems Verification
- Self-evaluation process/Practice in Place
- Surveys, Assessments, performance measures reports
- Company to Company EHS questionnaires
- Company-specific performance goals
- EHS Focus

New Responsible Care®

- RC Management System
- Third Party Certification
- ACC Performance metrics
- On-line performance tracking report.
- Transparency of company performance and certification status
- ACC Performance metrics
- Integration of EHS with value chain business processes





Responsible Care® Codes of Management

CAER



Pollution Prevention



Process Safety



Distribution



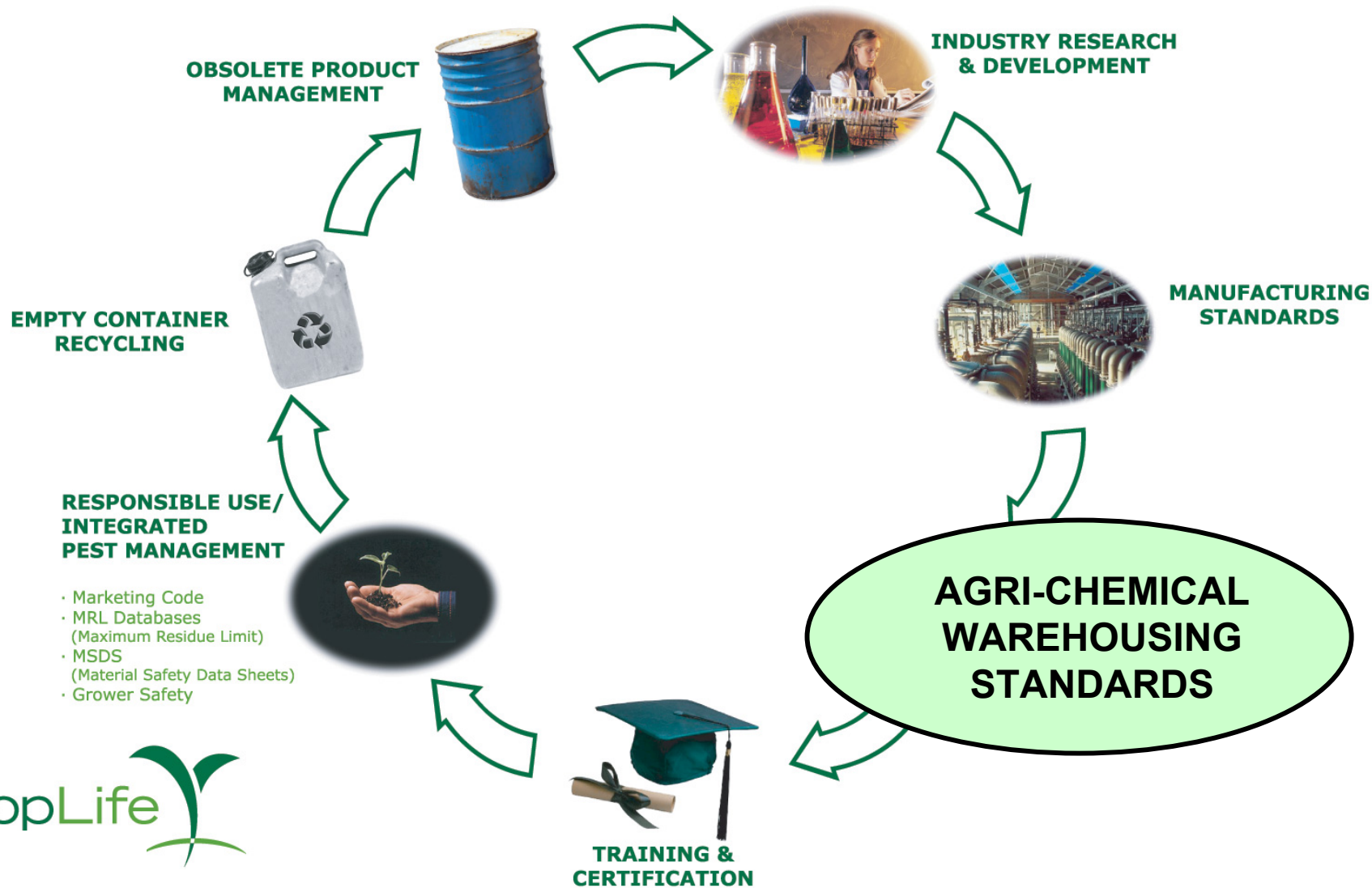
Employee Health and Safety



Product Stewardship



Crop Protection Stewardship



CropLife America Retail Facility Accreditation Program

- CLA and ARA are working cooperatively to develop stewardship standards for the storage and security of bulk, minibulk, and package products.
- Standards will be applied through an accreditation program that includes third party inspection.
- A pilot test is being conducted of a checklist based on the standards
- CLA plans to adopt a condition of membership that requires members to use the accreditation program or equivalent



Microsoft Excel

File Edit View Insert Format Tools Data Window Help

A61 = As of 8/14/03

CHECKL1 master list 8-14-03 revised

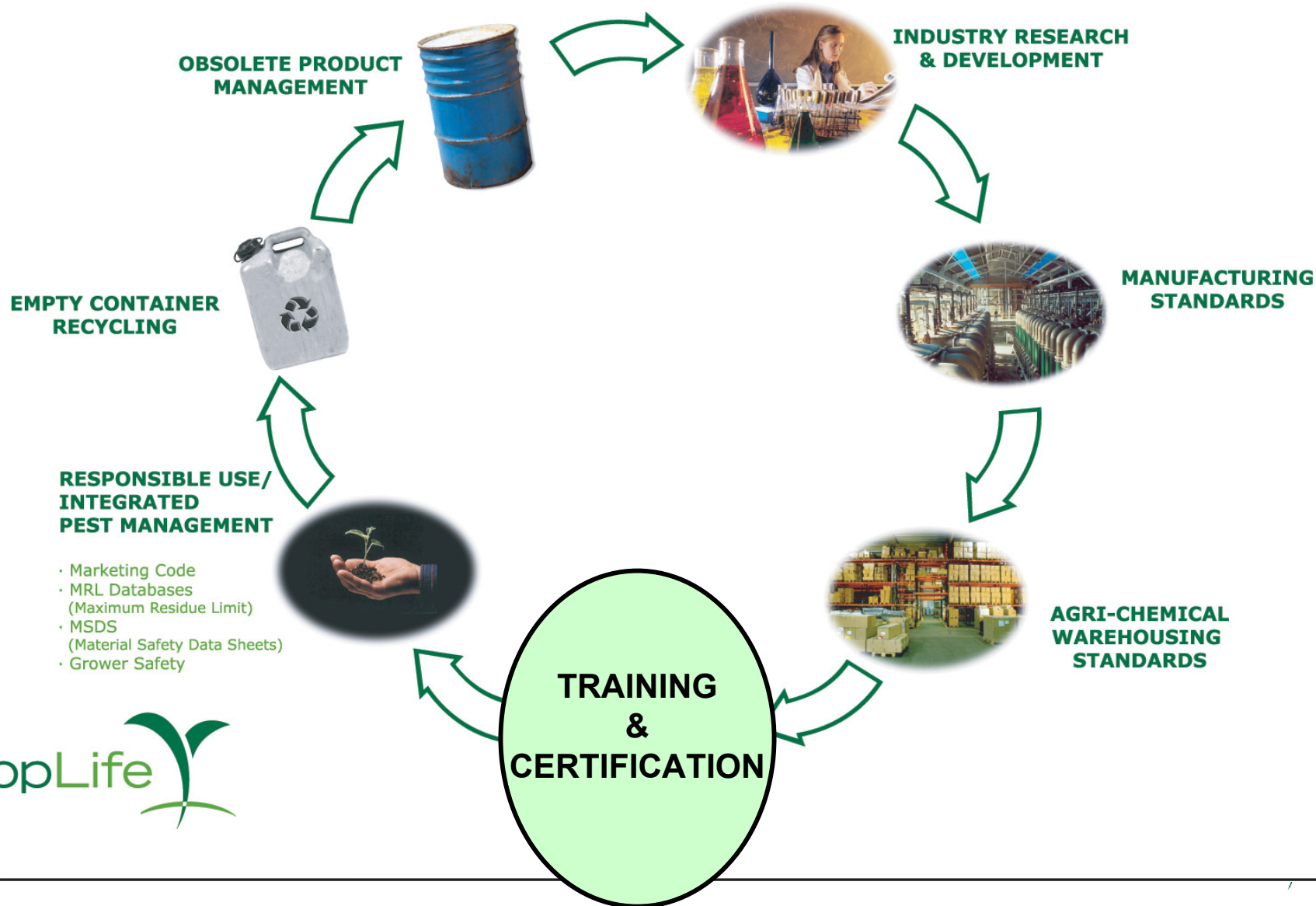
A	B	C
Item #	Required	Tank #
29.	The tank is properly labeled with a product booklet, net contents and the correct EPA Establishment Number affixed to the tank or the tank is empty.	Y N
30.	The tank is free of visual stress cracks, punctures, or defects and there are no signs of leakage.	Y N
31.	The tank's profile is within the dike wall.	Y N
32.	The tank is vented with a pressure/vacuum vent (conservation vent) and the dealer verifies that the tank vent has been checked within the last 12 months and is operational.	Y N
33.	The tank's inlet/outlet valve is a stainless steel (unless other material is specified by manufacturer) locking ball valve and is locked when not in use.	Y N
34.	If present, the exterior sight gauge is equipped with a self-closing valve.	Y N N/A
35.	Pumps, meters, and plumbing are dedicated to each product or formulation. If a common manifold exists, there is a procedure in place to prevent cross-contamination. (consider air gap between the lines)	Y N
COMMENTS		
Signature: _____ Date: _____		Signature: _____
(Facility Representative)		(F
General Disclaimer: The purpose and intent of this document is to provide minimum standards and guidelines for evaluating the stewards product stewardship currently agreed upon by member companies of CropLife America and does not provide an inclusive list of all recomm		

Ready

NUM

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Crop Protection Stewardship



Certified Crop Adviser Program

- CCA sponsored by the American Society of Agronomy
- 14,000 registrants working with farmers across the U.S.
- Certification exams and continuing education requirements
- Recognized by USDA as technical service providers (TSP) for nutrient and pest management planning



2001 CCA Program Participants

Map showing the distribution of 2001 CCA Program Participants across the United States, categorized by region. The numbers represent the total certified Total CCAs for each region.

Regions and their corresponding participant counts:

- Northwest Region: 748
- Prairie Province Region: 643
- Rocky Mountain Region: 134
- Southwest Region: 459
- Central Region: 371
- Midwest Region: 870
- Great Lakes Region: 579
- Mid-Atlantic Region: 403
- Northeast Region: 414
- Atlantic Province Region: 6
- South Central Region: 791
- Southwest Region: 1571
- South Central Region: 834
- South Central Region: 649
- South Central Region: 254
- South Central Region: 299
- South Central Region: 101
- South Central Region: 238
- South Central Region: 277
- South Central Region: 194
- South Central Region: 243
- South Central Region: 183
- South Central Region: 129
- South Central Region: 510
- South Central Region: 436
- South Central Region: 1277
- South Central Region: 483
- South Central Region: 196
- South Central Region: 28
- South Central Region: 459
- South Central Region: 112

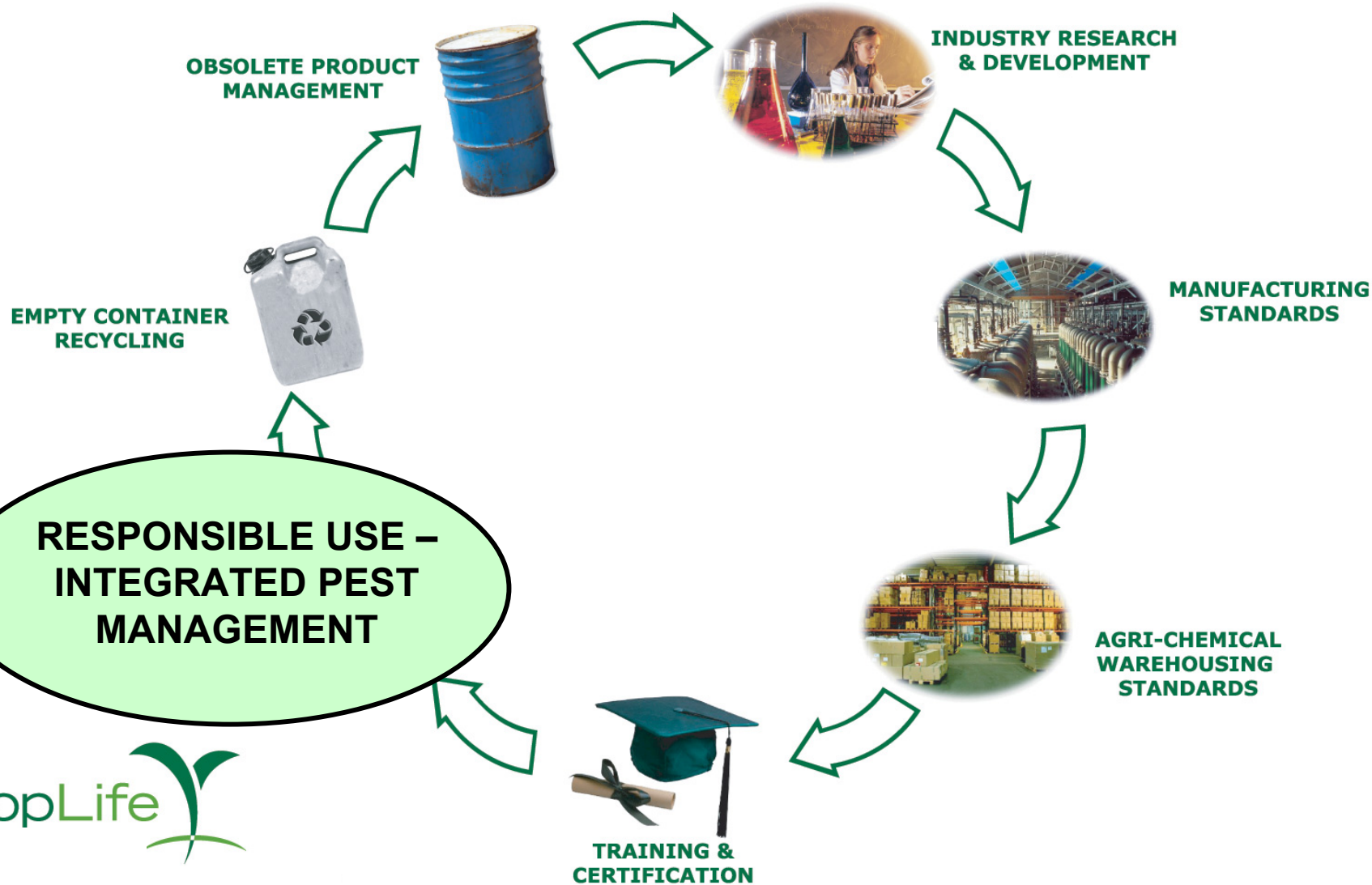
Hawaii—New

Numbers represent total certified Total CCAs 14,912

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Crop Protection Stewardship



International Stewardship

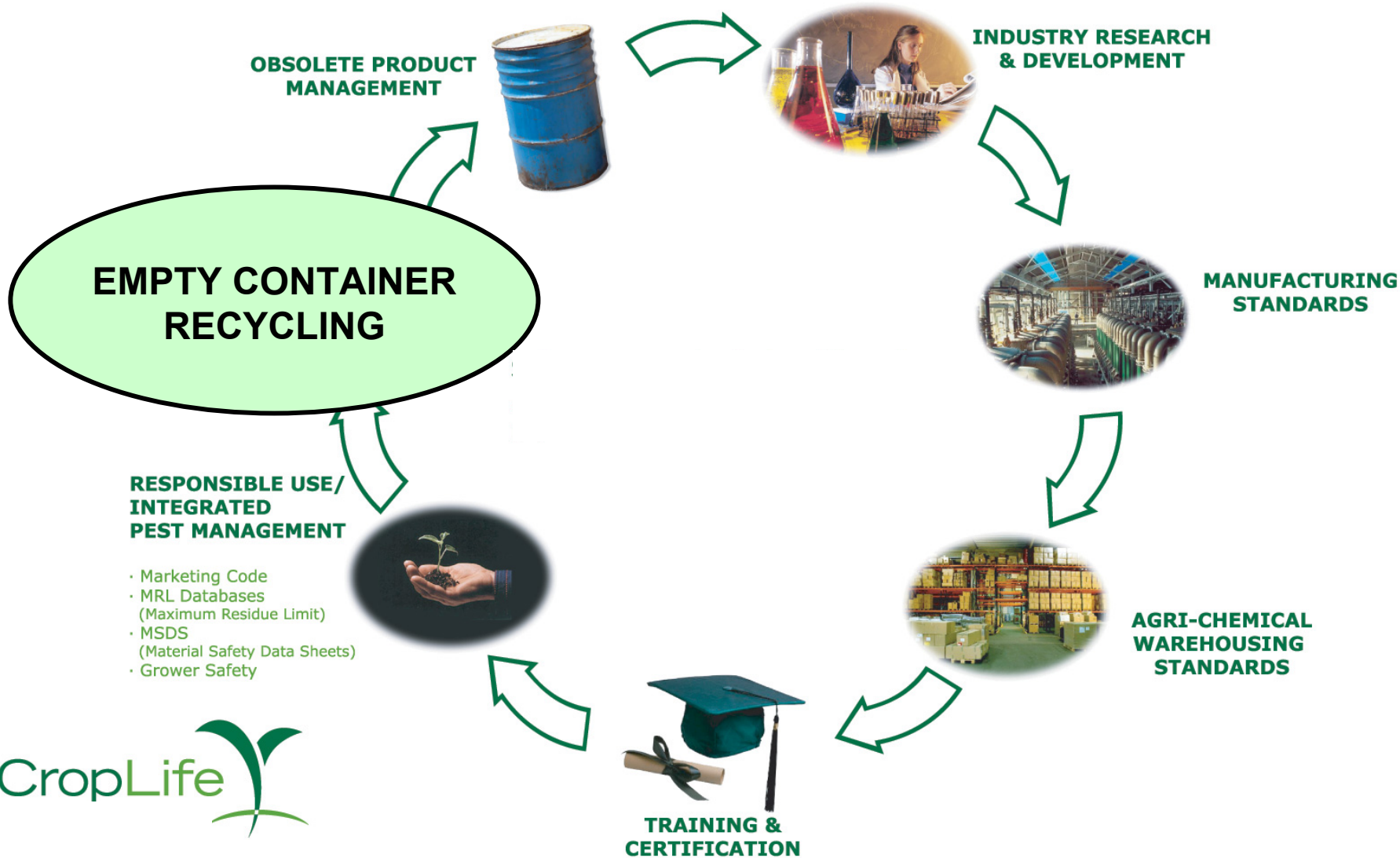
- CLA is a part of CropLife International and is involved in stewardship activities
 - \$30 M for African Stockpile program
 - Safe Use program with projects in Africa, Asia, and Latin America partnering with NGOs and agencies
 - Supports FAO definition of IPM that emphasizes a healthy crop, least disruption to ecosystem and encouraging natural pest control

International Stewardship

- CLA, CL Latin America, and EPA's Certification and Worker Protection Branch working together to develop worker safety training in Honduras
 - Combine lesson learned from EPA's Mexico Train the Trainer program and CropLife Safe Use program in Latin America
 - Identify quality materials from both programs to create new curriculum and field test in 2004 in Honduras
 - Develop program to train the trainer over a five year cycle
 - Develop evaluation methodology for materials and training effectiveness



Crop Protection Stewardship



The Ag Container Recycling Council



- In 1988, farmers and applicators identified lack of acceptable disposal options for containers as a major problem. The crop protection industry responded by creating the **Ag Container Recycling Council (ACRC)**.
- The ACRC is a non-profit organization that collects and recycles **non-refillable HDPE crop protection product containers**

What ACRC does

- In partnership with local and state agencies, ACRC collects HDPE containers nationwide from farmers and applicators **at no charge**.
- **Educates** farmers and applicators that recycling is important in safeguarding people and the environment.
- Oversees **recycling** of HDPE into safe approved end-uses and helps develop new products.



ACRC Members

ACRC is currently supported by 31 members of **CropLife America** listed below and 6 supporting affiliates.

- Agrilience, LLC
- AMVAC Corp.
- Bayer CropScience
- BASF Corp.
- Becker Underwood, Inc.
- Cerexagri, Inc.
- Certis USA
- Cheminova, Inc.
- Crompton Corp.
- Dow AgroSciences, LLC
- DuPont Crop Protection
- FMC Corp.
- Gowan Co.
- Griffin, LLC
- GROWMARK, Inc.
- Gustafson, LLC
- Helena Chemical Co.
- ISK Americas Inc.
- Makhteshim-Agan NA
- Monsanto Co. Crop Protection
- Nichino America, Inc.
- Nufarm
- PBI-Gordon Corp.
- RiceCo, LLC
- SePRO Corp.
- Syngenta Crop Protection
- Tenkoz, Inc.
- United Agri Products, Inc.
- United Phosphorus, Inc.
- Valent USA Corp.
- Wilbur Ellis Co.



Thank You

- Questions?

